

11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209 501-455-3233 Fax 501-455-6118

23 May 2013

Jim Fleer Oxford Environmental & Safety, Inc 14348 Nieman Rd. Overland Park, KS 66221

**RE: Arkwood Monthly Sampling** 

SDG Number: 1305237

Enclosed are the results of analyses for samples received by the laboratory on 17-May-13 10:30. If you have any questions concerning this report, please feel free to contact me.

## Sample Receipt Information:

Custody Seals						
Containers Correct						
COC/Labels Agree	<u> </u>					
Preservation Confirmed	~					
Received On Ice						
Temperature on Receipt	2.0°C					

Sincerely,

Norma James President

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Jim Fleer Oxford Environmental & Safety, Inc 14348 Nieman Rd. Overland Park, KS 66221

**Project: Arkwood Monthly Sampling** 

Date Received: 17-May-13 10:30



Lab Number: 1305237-01
Sample Name: Mouth
Date/Time Collected: 5/16/13 11:40
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	Qualifier(s)	Date/Time Analyzed	<u>Batch</u>	Method
Pentachlorophenol	ug/L	18.3		5/20/13 17:55	A305277	8270D
2,4,6-Tribromophenol [surr]	%	111		5/20/13 17:55	A305277	8270D
2-Fluorophenol [surr]	%	54.6		5/20/13 17:55	A305277	8270D
Phenol-d5 [surr]	%	29.2		5/20/13 17:55	A305277	8270D

## **ANALYTICAL RESULTS**

Lab Number: 1305237-02
Sample Name: Weir
Date/Time Collected: 5/16/13 11:15
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	Qualifier(s)	Date/Time Analyzed	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	< 1.00		5/20/13 18:17	A305277	8270D
2,4,6-Tribromophenol [surr]	%	106		5/20/13 18:17	A305277	8270D
2-Fluorophenol [surr]	%	61.7		5/20/13 18:17	A305277	8270D
Phenol-d5 [surr]	%	37.3		5/20/13 18:17	A305277	8270D

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## QUALITY CONTROL RESULTS

Semivolatiles - Quality Control Analyzed: 20-May-13 16:29 By: TB

	An	alyzed: 2	0-May-	13 16:29 I	Ву: ТВ					
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch A305277 - 3510C Modified										
Blank (A305277-BLK1)				Prepared 8	& Analyzed	: 20-May-13				
Pentachlorophenol	ND	1.00	ug/L							
Surrogate: 2,4,6-Tribromophenol	43.1		"	40.0		108	26-130			
Surrogate: 2-Fluorophenol	27.4		"	40.0		68.4	10-80			
Surrogate: Phenol-d5	14.7		"	40.0		36.7	10-58			
LCS (A305277-BS1)				Prepared 8	Prepared & Analyzed: 20-May-13					
Pentachlorophenol	40.4	1.00	ug/L	40.0		101	69-129			
Surrogate: 2,4,6-Tribromophenol	44.6		"	40.0		112	26-130			
Surrogate: 2-Fluorophenol	25.5		"	40.0		63.8	10-80			
Surrogate: Phenol-d5	18.2		"	40.0		45.5	<i>5-58</i>			
Matrix Spike (A305277-MS1)	Sour	ce: 13052	37-02	Prepared 8	& Analyzed					
Pentachlorophenol	76.1	2.00	ug/L	80.0	0.00	95.1	50-139			
Surrogate: 2,4,6-Tribromophenol	81.1		"	80.0		101	26-130			
Surrogate: 2-Fluorophenol	44.6		"	80.0		55.8	10-80			
Surrogate: Phenol-d5	30.5		"	80.0		38.2	10-58			
Matrix Spike Dup (A305277-MSD1)	Sour	ce: 13052	37-02	Prepared 8	& Analyzed	: 20-May-13				
Pentachlorophenol	78.9	2.00	ug/L	80.0	0.00	98.6	50-139	3.53	27	
Surrogate: 2,4,6-Tribromophenol	85.5		"	80.0		107	26-130			
Surrogate: 2-Fluorophenol	46.2		"	80.0		<i>57.7</i>	10-80			
Surrogate: Phenol-d5	30.3		"	80.0		37.9	10-58			

All Analysis performed according to EPA approved methodology when available:

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by:

Norma James President Arkansas Analytical



11701 Interstate 30, Bldg. 1, Ste. 115

Little Rock, AR 72209 PHONE: 501-455-3233 FAX: 501-455-6118

## **CHAIN OF CUSTODY RECORD**

CLIENT INFORMATION					Project Description			Turnaround Time	Preservation Codes:										
Oxford Environmental & Safety, Inc.						Arkwood Monthly Sampling			24 Hour	1. Cool	, 4 Degre	es Centi	tigrade 4. Thiosulfate for Dechlorin					ation	
14348 Nieman Rd.									48 Hour	2. Sulfu	ric Acid	(H <sub>2</sub> SO <sub>4</sub> )	04), pH < 2 5. Hydrochloric Acid					id(HCl)	<u> </u>
Overland Park KS 66221						Reporting Information 74			72 Hour	3. Nitri	c Acid (F	INO <sub>3</sub> ), p	H < 2			6. Sodiu	m Hydroxid	e (NaO	H), pH > 12
							Telephone: 913	-706-3422	Routine (5 Day)			TES	T P	ARA	MET	ERS			Bottle Type Code
Attn: Jim Fleer							mail: jfleer@oxfo	rdeands.com	Preservative Code:	1								_	G = Glass; P = Plastic
	A								Bottle Type:	GA								v	= Septum, A = Amber
Sampler(s) Signature  Sampler(s) Printo					es Fleer													Arkansas nalytical Work rder Number:	
Field	SAMPLE C	OLLECTION						SAMPLE	<u> </u>	Pentachlorophenol (8270D)			1					1	
					Number of	Sample	IDENTIC		POINTION	enta 3270								15	305237-
Number	Date/s	Time/s	Grab	Comp	Bottles	Matrix	IDENTIF	ICATION/ DESC	RIPTION	₽ 🕾								10	
	5/16/13	11:40	Х		1	Water	Mouth			Х									01
	5/16/13	11:15	Х		1	Water	Weir			Х									02
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			-			$\vdash$				-								-	
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			-	<u> </u>	-					-					-				
1. Relinquished by	: (Semeture)	Date/Time		2. Re	ceived	by: (Si	gnature)	SAMPLE C	ONDITION UPON	3	REMARKS / SAMPLE COMMENTS						NTS		
~ (	$\mathcal{D}_{l}$	5/16/20 13:35	13	1		1. CUSTODY SEA			ALS: Yes			No	MS/MSD Collected from: Wiev						
XItan (	Me			1	NF	S		2. CONTAINERS	CORRECT	1	s		アレンロ				Wn	0.5	Mouth
1 900		13:35										140	00		100	_	11	1-1-	
					3. COC/LABELS /	AGREE:	+-Ye	es	No	U3 P0	w4:	1570				13.98			
3. Relinquished by	: (Signature)	Date/Time		4. Re	ceived	by lab: (Signature) 4. PRESERVATION C			ON CONFIRMED:	Ye							57.1		
1100 5/17/13, Sud		uld 1	5. RECEIVED ON		ICE:	Y	es	No	· 03 lus: 0,36 + pH 6,			52	6.17						
MYS					yu.			6. TEMPERATUR	E ON RECEIPT:	200	)		XX	of he	fution	anny			
VIII		1030				Fam	5	COMPLETION BY LAB ONLY						<b>Y</b>					
Revision 1 12/1/10	,																		